

SIGGRAPH 2001

FUNDAMENTALS SEMINAR



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Michael J. Bailey

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Goals for the day:

- An accessible introduction to computer graphics *jargon*, concepts, techniques, technologies and applications.
- SIGGRAPH - the organization, conference, and volunteering
- Pathfinders - assistance in navigating the conference

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- Computer Graphics Applications (Jackie White)
- Graphics Systems Software (Wayne Carlson)
- Graphics Systems Hardware (Mike Bailey)
- SIGGRAPH (Jackie White)
- Pathfinders (Barb Helfer)



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Special Thanks to:

- SIGGRAPH 2001
 - Lynn Pocock, Conference Chair
 - Lou Harrison, Courses Chair
- SIGGRAPH Contributors & Collections
 - Slide Collections
 - Media trailer, video clips
- Other Slide & Video Contributors



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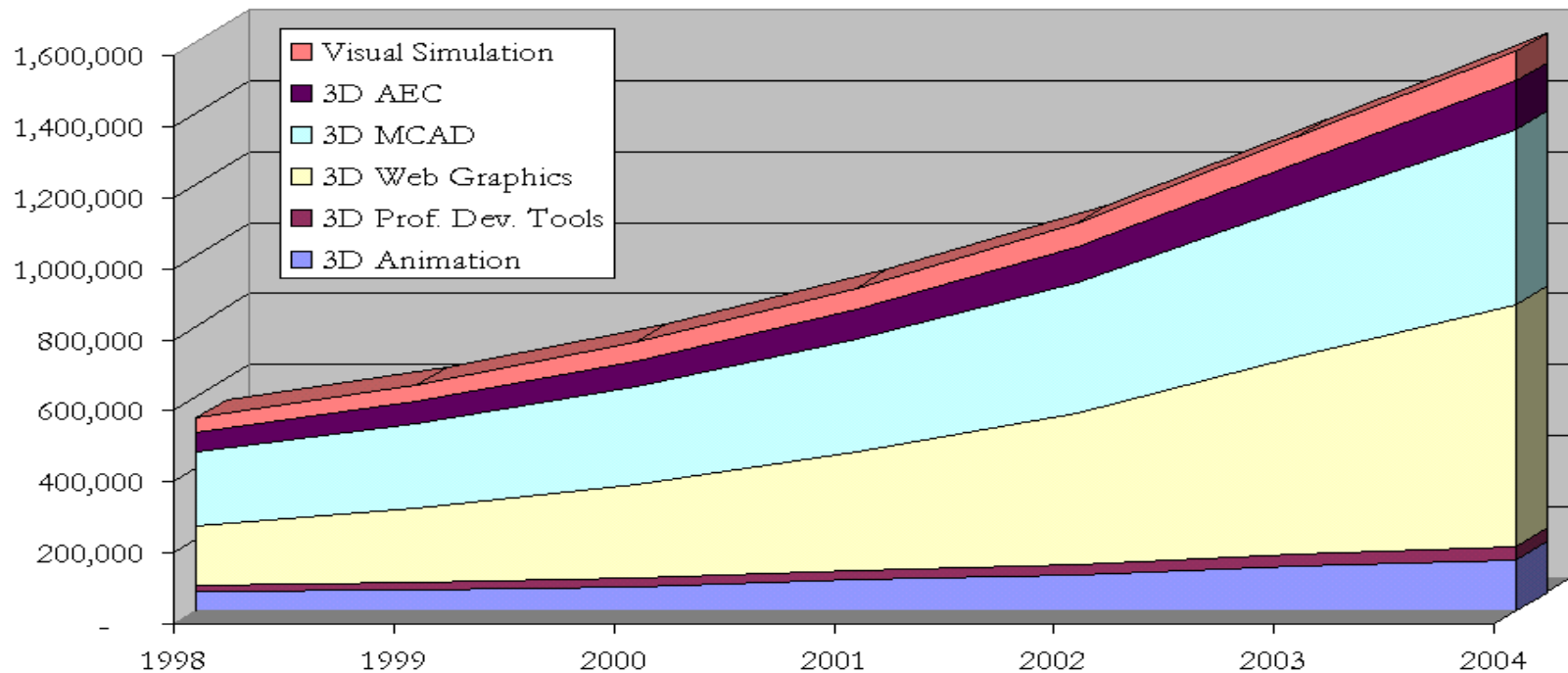
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Current 3D Software Trends

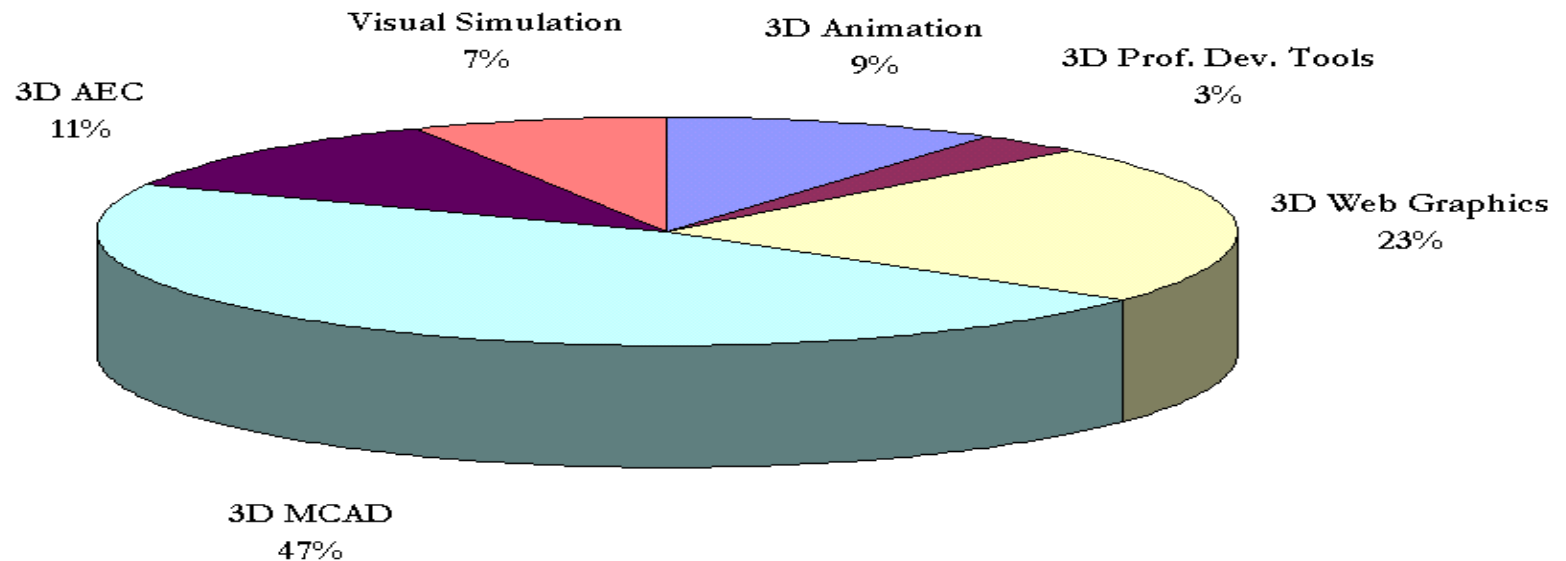
Annual Unit Shipments for 3D Software



Source: M2 Research

3D Software Application Breakdown

Breakdown of 3D Software by Application - 2000



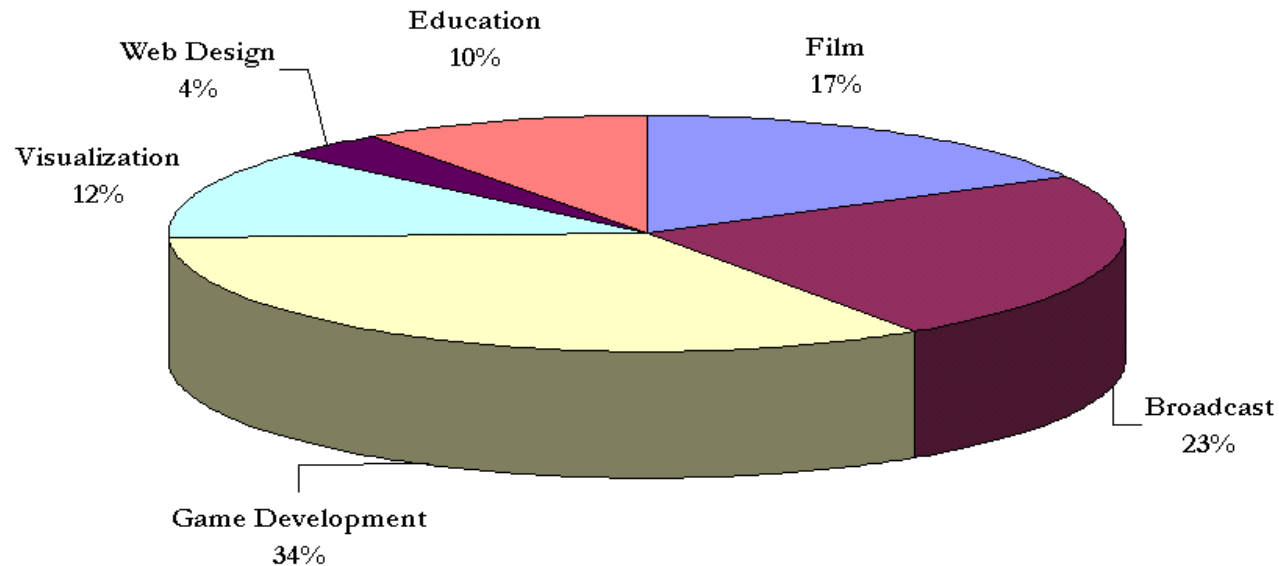
Source: M2 Research

Animation Segment

Total Revenue: \$155m

3D Animation Tools

- Market Segmentation -



Source: M2 Research

Animation



**A collection of autonomous rovers and space vehicles
that may be part of the scientific exploration of Mars**

**©2000 Jet Propulsion Laboratory
California Institute of Technology**

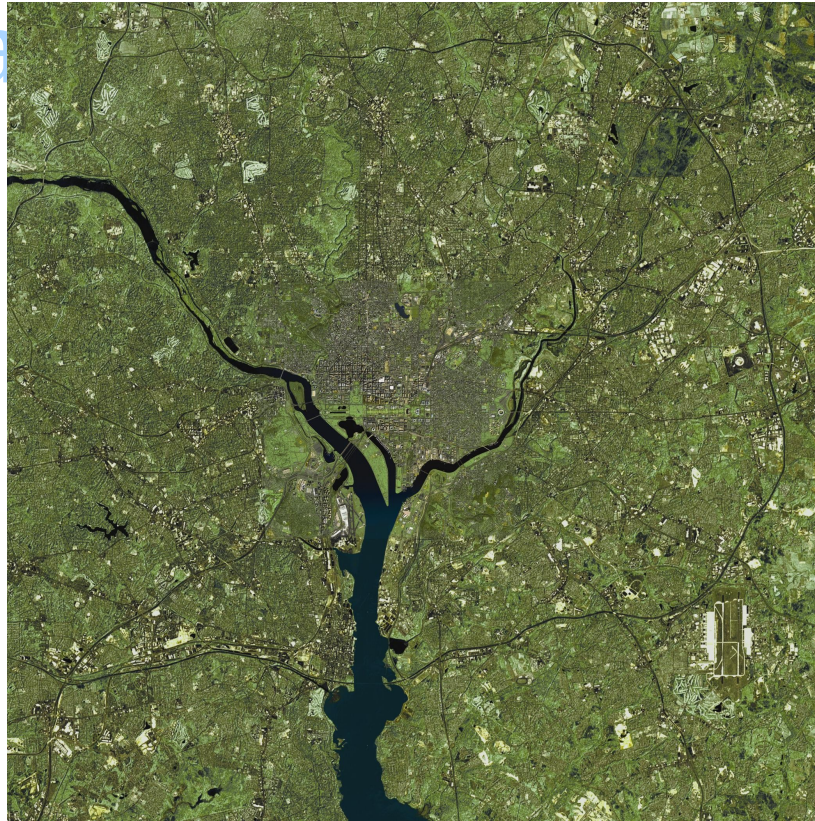
Animation



**Wild Jungle - Motion ride ©2000
Shinji Torigoe, Shingo Yasumaru
SEGA Corporation**

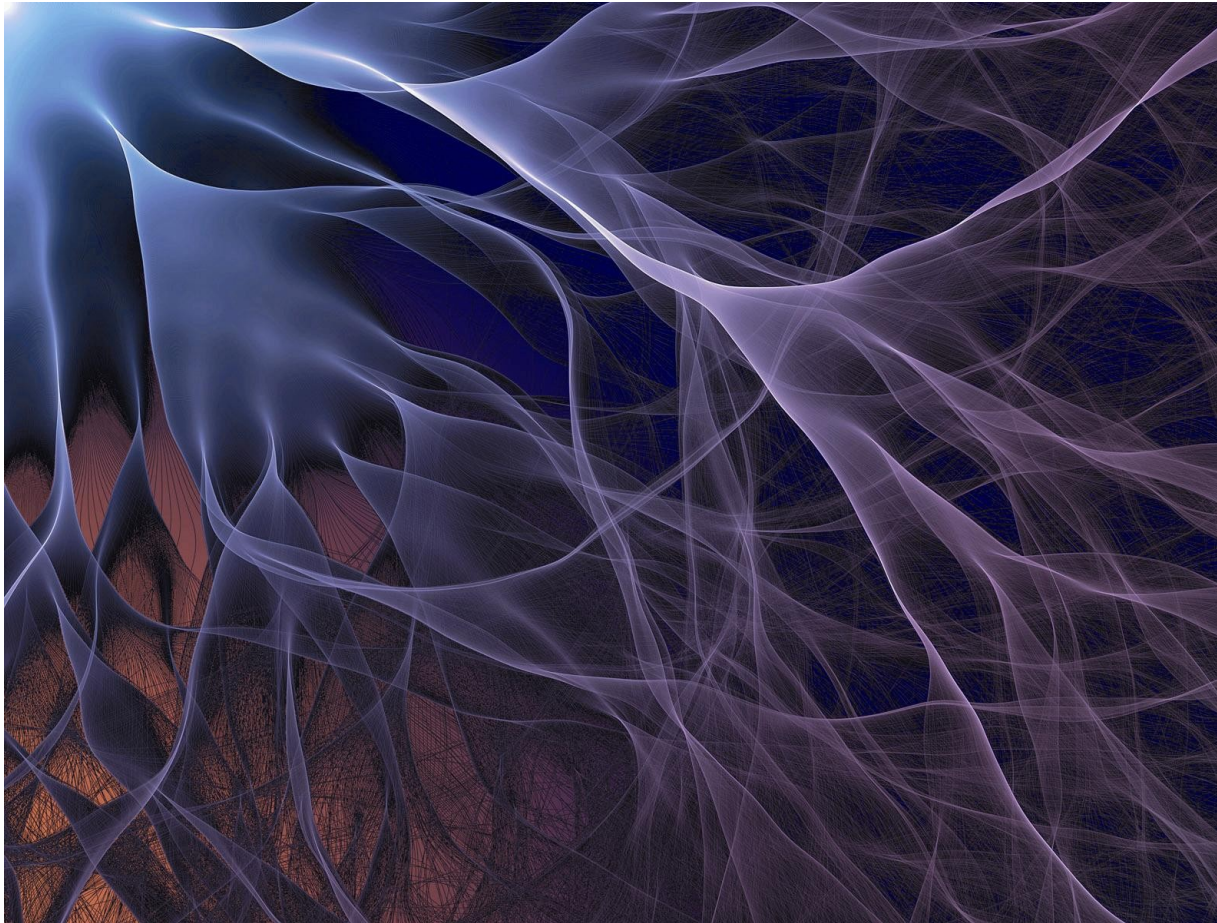


Animation - Scientific Visualization



Capitol Zoom ©2000
Gregory W. Shirah, NASA/GSFC
Scientific Visualization Studio

Art



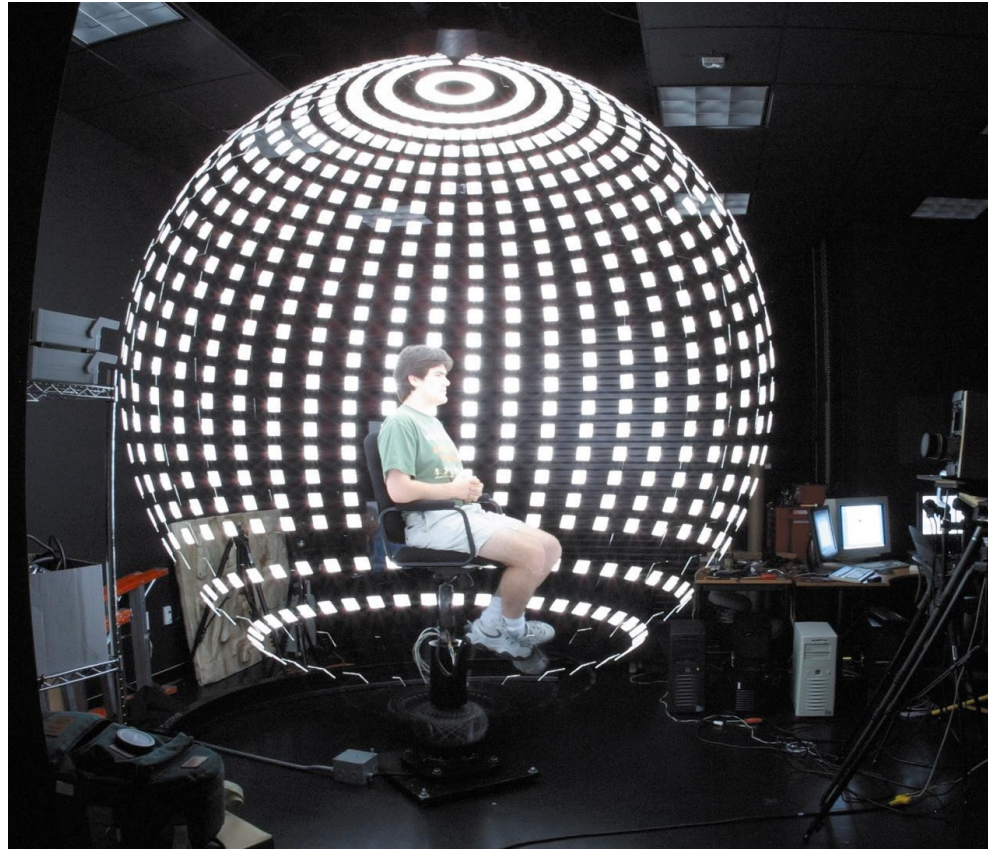
Transport VI ©2000
Eric Heller

Modeling



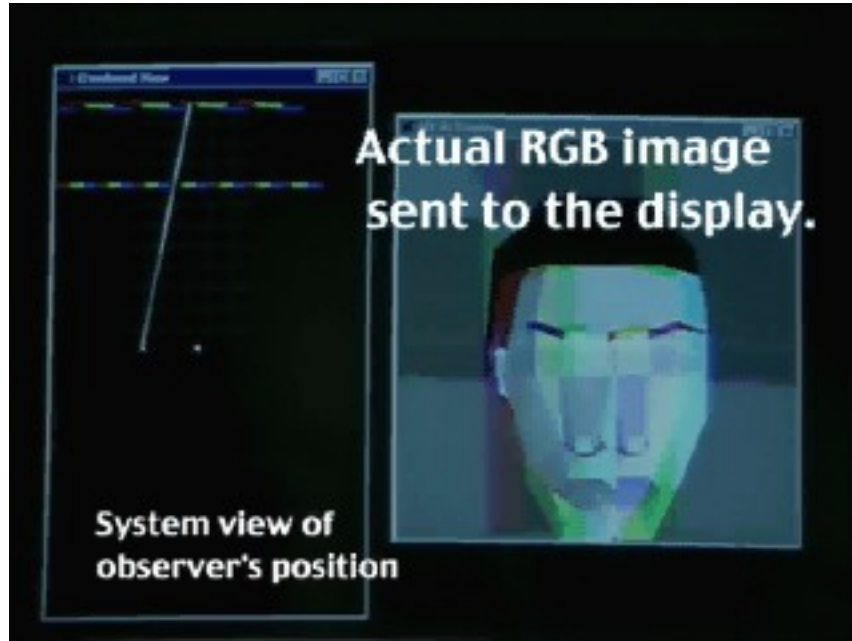
Skinning Cats and Dogs Using Muscle Deformations ©2000
Rhythm & Hues Studios

Lighting



Light Stage 2.0 ©2000
Institute for Creative Technologies

Stereoscopy



Autostereoscopic image of a virtual face ©2000
Ken Perlin, Salvatore Paxia, Joel S. Kollin
Media Research Laboratory, Dept. of Computer Science
New York University

Interactiv e

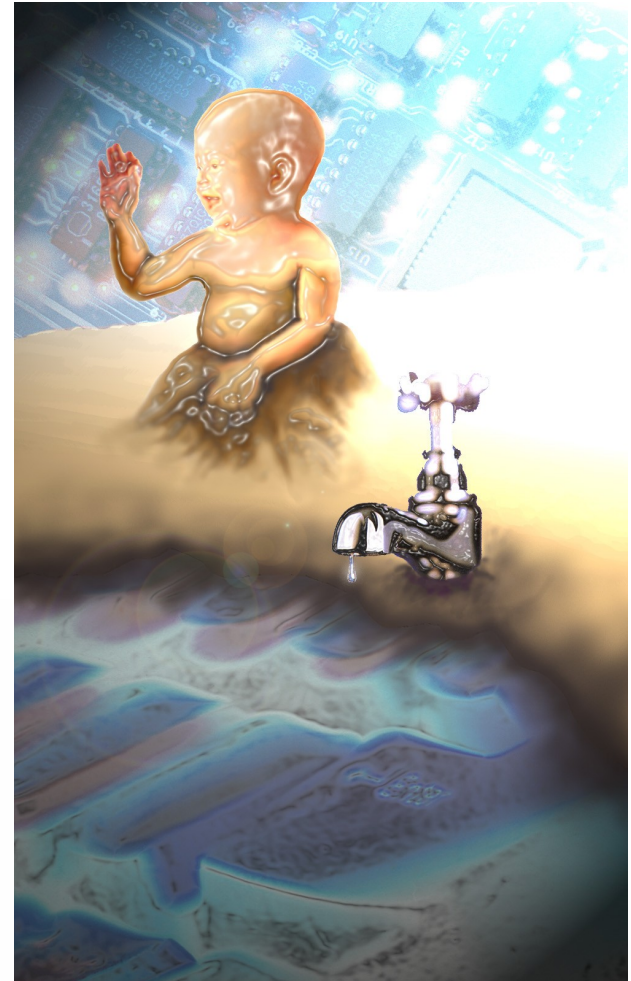


Informative Art ©2000
PLAY - Interactive Institute

Education

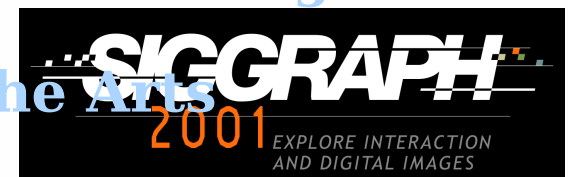


Robert Negrete

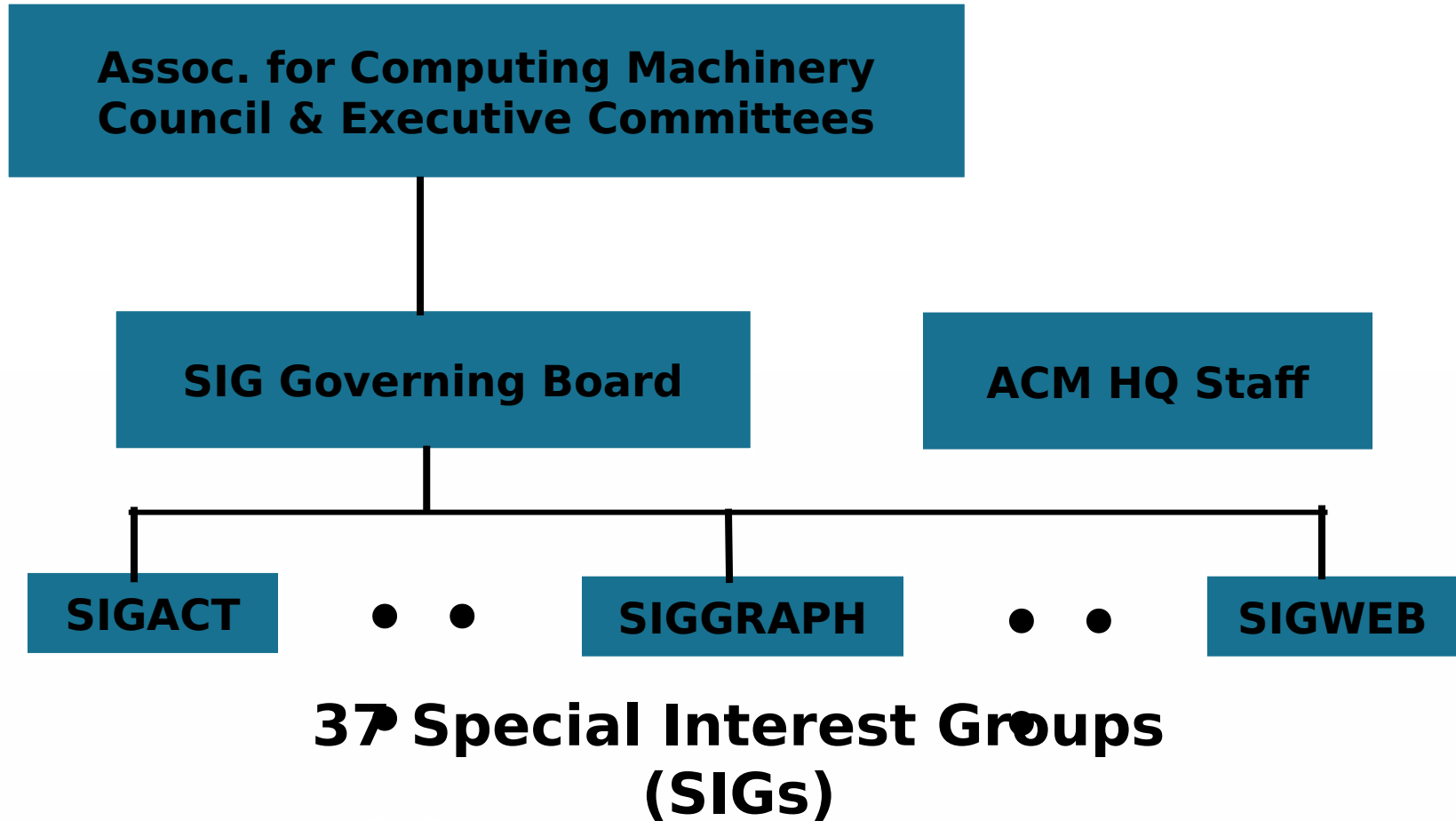


Danny
Chung

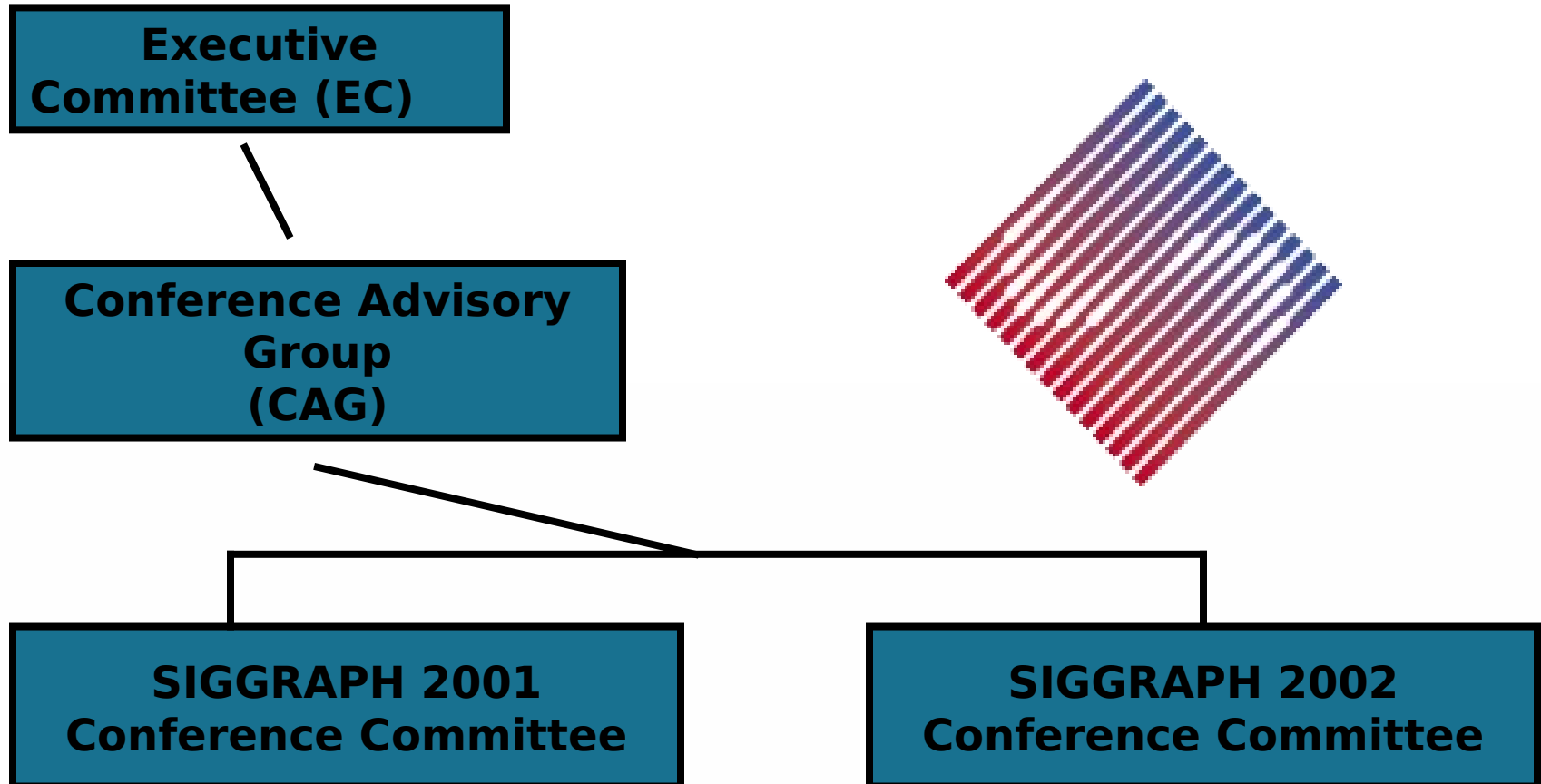
Los Angeles County High School for the Arts



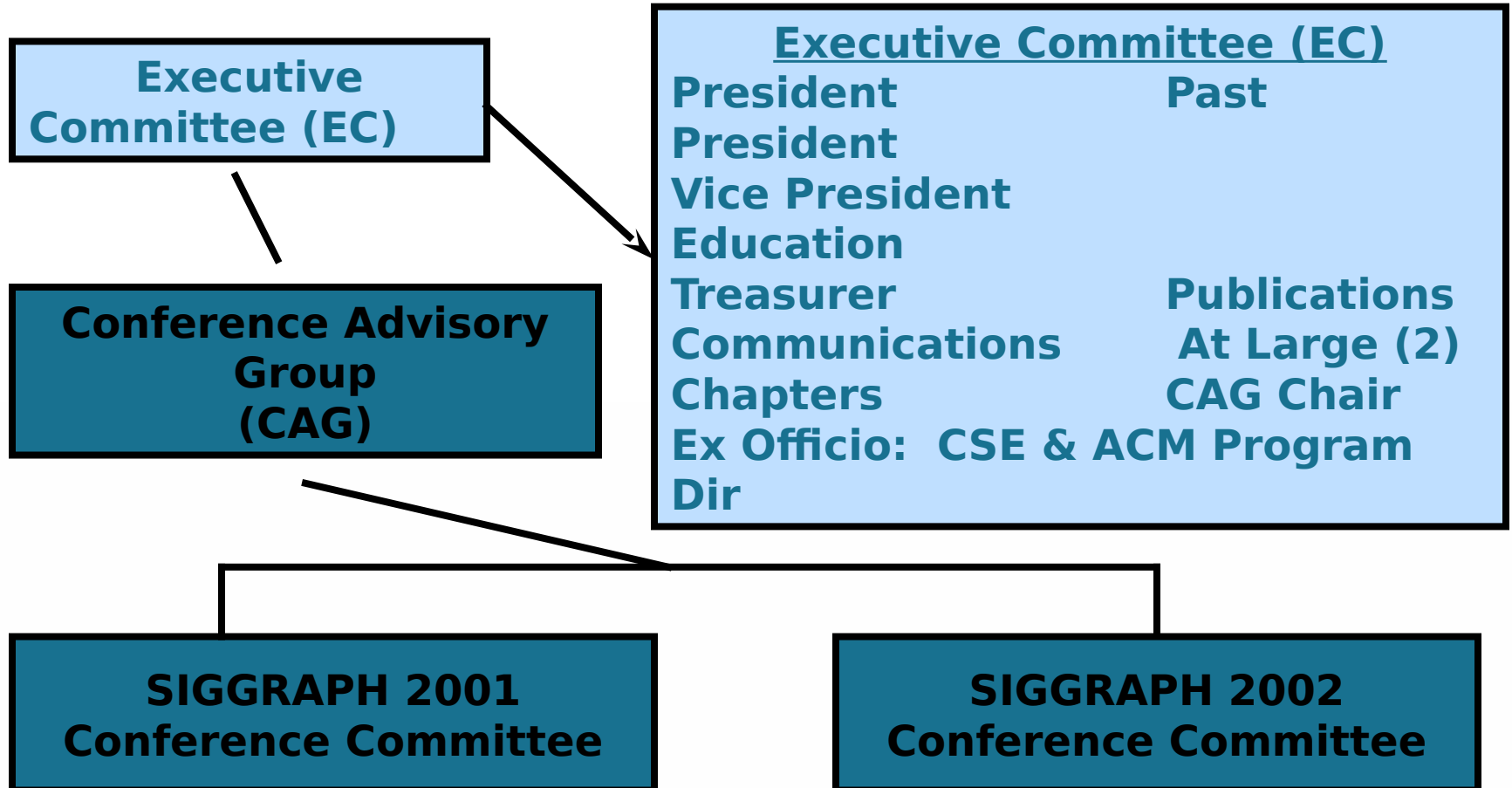
ACM Organization



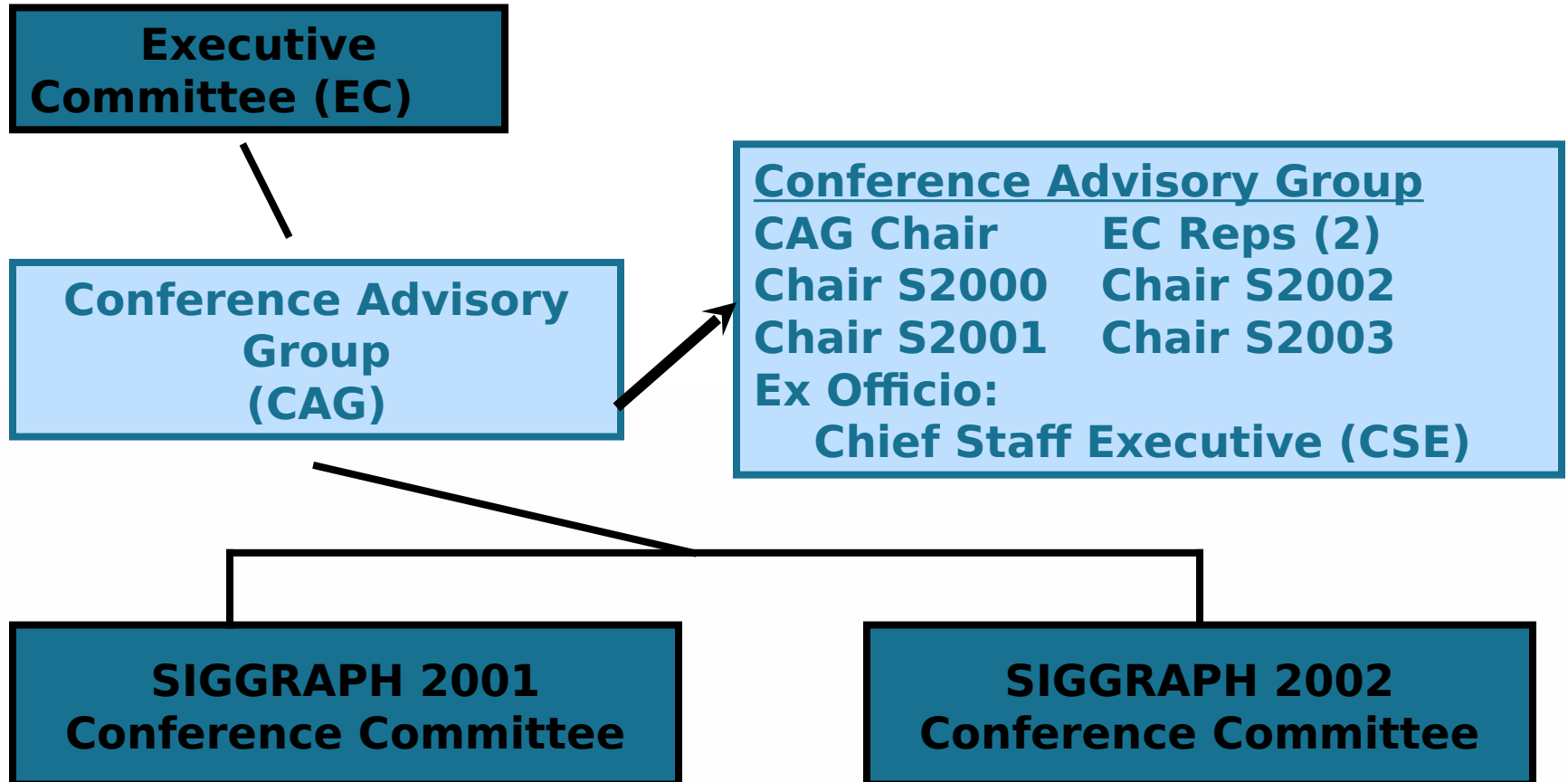
ACM SIGGRAPH



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SIGGRAPH Conference Programs

Technical:

- Papers
- Panels
- Courses
- Sketches & Applications
- Educators Program
- CAL (hands-on)

Other Programs:

- Art Gallery: N-Space
- Computer Animation Festival
- Emerging Technologies
- The Studio (hands-on)

SIGGRAPH Conference Programs

Services & Activities:

- Exhibition & Exhibitor Forums
- Keynote Address
- BOFs
- Receptions
- Special Sessions
- Pathfinders (Mentoring)
- Career Center
- Job Fair
- International Resources
- Internet Access

Rooms



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